

CLAIMS

- sub A15
1. ~~An air filter comprising:
a filter housing with air flowing through said filter housing in a first direction;
a pleated filter support operatively connected to said filter housing said pleated filter support having support members define a pleated shape; and
a filter at least partially supported by said support members.~~
 2. ~~The air filter of Claim 1 wherein said pleated filter support comprises a wire mesh.~~
 3. ~~The air filter of Claim 1 wherein said pleated filter support comprises a plurality of posts.~~
 4. ~~The air filter of Claim 1 wherein said pleated filter support comprises a plurality of ridges spaced about equally apart.~~
 5. ~~The air filter of Claim 1 wherein said pleated filter support comprises at least a partially annular form.~~
 6. ~~The air filter of Claim 1 wherein said filter comprises a low restriction filter paper.~~
 7. ~~The air filter of Claim 1 wherein said filter and said pleated filter support are operatively connected by welding.~~
 8. ~~The air filter of Claim 1 wherein said filter and said pleated filter support are operatively connected by an adhesive.~~
 9. ~~The air filter of Claim 1 including a filter seal operatively connected to said filter and said pleated filter support.~~
- 09974056-1009001
- Sub C1

Sub A2>

~~10. An air induction system comprising:
a flow body;
a filter housing in communication with said flow body with air flowing through said filter housing in a first direction;
a pleated filter support operatively connected to said filter housing said filter support having support members define a pleated shape; and
a filter at least partially supported by said support members.~~

~~11. The air induction system of Claim 10 wherein said pleated filter support comprises a wire mesh.~~

~~12. The air induction system of Claim 10 wherein said pleated filter support comprises at least a partially annular form.~~

~~13. The air induction system of Claim 10 wherein said filter comprises a low restriction filter paper.~~

~~14. The air induction system of Claim 10 wherein said filter and said pleated filter support are operatively connected by welding.~~

~~15. The air induction system of Claim 10 wherein said filter and said pleated filter support are operatively connected by an adhesive.~~

~~16. The air induction system of Claim 10 including a filter seal operatively connected to said filter and said pleated filter support.~~

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C1

Sub A3 >

~~17. A method of manufacturing an air filter comprising the steps of:
arranging a plurality of support members into pleats; and
adhering a filter to the pleats.~~

Rule 126

~~18. The method of manufacturing the filter of Claim 18 wherein the plurality of
support members comprise a wire mesh.~~

Sub C

~~19. The method of manufacturing the filter of Claim 18 including the step of
sealing the filter to the support.~~

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